

REMARKS

This Amendment and Response is being submitted in response to the non-final Office Action mailed March 14, 2007. Applicant appreciates the proposed claims that the Examiner sent to Applicant's representative via facsimile on October 19, 2006.

Claims 58-65, 103-107, and 127-136 are pending in the application. Claims 58-65, 103-107, 127-136 are rejected under 35 U.S.C. § 101 as allegedly directed to non-statutory subject matter. Applicant respectfully traverses the Examiner's rejections.

In the amendment above, Applicant has amended claims 58, 103, and 127. Applicant has also added new claims 147-150. No new matter is added by these amendments, and support may be found in the specification and claims as originally filed.

Applicant respectfully requests that the Examiner withdraw the rejections. Reconsideration and allowance of all claims is respectfully requested in view of the amendments above and the remarks below.

I. Rejection under § 101

Claims 58-65, 103-107, 127-136 are rejected under 35 U.S.C. § 101 as allegedly directed to non-statutory subject matter. The Examiner suggests in the *Office Action* that Applicant provide a more clear connection between the processor and the input and output interfaces and that Applicant specify a "more defined practical application of the Boolean logic evaluation."

In the amendments above, Applicant has clarified both what each register contains in each type of Boolean expression evaluated as well clarifying when the output occurs. Applicant respectfully submits that amended claims 58, 103, and 127 are allowable. Claims 59-65, 104-107, and 128-136 depend on and further limit claims 58, 103, and 127 and are allowable for at least the same reasons. Applicant respectfully request that the Examiner withdraw the rejection under 35 U.S.C. § 101.

II. Conclusion

Applicant respectfully submits that claims 58-65, 103-107, 127-136 are allowable. A favorable Office Action is respectfully solicited.


Application No. 10/803,690
Filed: March 17, 2004

Attorney Docket No. 46872-334918
PATENT

Should the Examiner have any comments, questions or suggestions of a nature necessary to expedite the prosecution of the application, or to place the case in condition for allowance, the Examiner is courteously requested to telephone the undersigned at the number listed below.

Respectfully submitted,

Date: 6/14/2007



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